

Install Enstore RPM

- Copy repo details from enstore machine:

```
[enstore@enstore03 ~]$ cat /etc/yum.repos.d/enstore.repo
[enstore]
name=Enstore
baseurl=https://ssasrv1.fnal.gov/en/slf7x/x86_64
enabled=1
gpgcheck=0
priority=85
sslverify=0
```

```
[root@fermicloud]# cat <<EOT >> /etc/yum.repos.d/enstore.repo
[enstore]
name=Enstore
baseurl=https://ssasrv1.fnal.gov/en/slf7x/x86_64
enabled=1
gpgcheck=0
priority=85
sslverify=0
EOT
[root@fermicloud]# yum install -y enstore
```

Copy setup-enstore script from [setup-enstore Redmine repo](#) to your host machine

- This sets the relevant environment variables to use the Python distribution included in the RPM repo
- I just pasted this into `vim`, it will be referred to for the rest of this doc as `tmp/setup-enstore`

PIP install pytest (and pytest-mock) as user `enstore`

- This user is set up as part of the enstore RPM install, and owns some of the Python directories included in the package.

```
[root@fermicloud]# su enstore
[enstore@fermicloud]$ source /tmp/setup-enstore
<this gives some warnings that are OK>
[enstore@fermicloud]$ python -m pip install pytest pytest-mock
```

- Note - If I try to run `pip` directly I get a `bad interpreter` error. Using `python -m pip` resolves this.

Create and run tests (as your dev user)

- Clone git repo

```
[root@fermicloud]# su my_user
[my_user@fermicloud]$ cd ~
[my_user@fermicloud ~]$ git clone
https://github.com/Enstore-org/enstore.git
```

- Create pytest file and run

```
[my_user@fermicloud ~]$ source /tmp/setup-enstore
<this gives some warnings that are OK>
[my_user@fermicloud ~]$ cd enstore/src/
[my_user@fermicloud ~/enstore/src]$ cat <<EOT >> test_enstore_functions2.py
import enstore_functions2

def test_success():
    assert True
EOT
[my_user@fermicloud ~/enstore/src]$ python -m pytest
test_enstore_functions2.py
```

- Note: trying to run `pytest` Directly I get `undefined symbol: Py_InitModule4_64` error. Using `python -m pytest` resolves this.